

I forgot the recorder and the Smartboard crashed
and lost the first part of the class where I dealt with
the 30 questions that was due on March 1st.
Not a good day...

File Tools View ifexampleS10 (Protected View) - Word SMART Ink

PROTECTED VIEW Be careful—files from the Internet can contain viruses. Unless you need to edit, it's safer to stay in Protected View. Enable Editing

This is practice continued where we have a file of data that we need to process.

Practice exercise:

Payroll file: (each record is payRecord)

idno	name	payHr	regHrs	ovtHrs
1111	John Doe	20	40	10
1234	Ann Costa	25	40	0
2222	Linda Ryan	30	40	20
2345	Bob Smith	30	35	10
EOF				

```
start
  read payRecord
  do while not endOfFile
    if ovtHrs > 0
      regPay = payHr * regHrs
      ovtPay = payHr * ovtHrs * 1.5
      totPay = regPay + ovtPay
    else
      totPay = payHr * regHrs
    end if
    display totPay
    read payRecord
  end do while loop
stop program
```

Page 1 of 1 100%

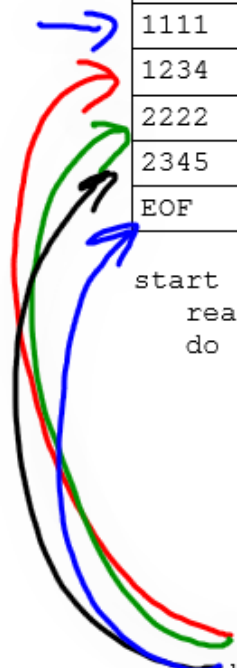
11:30 AM 3/1/2018

Practice exercise:

Payroll file: (each record is payRecord)

idno	name	payHr	regHrs	ovtHrs
1111	John Doe	20	40	10
1234	Ann Costa	25	40	0
2222	Linda Ryan	30	40	20
2345	Bob Smith	30	35	10
EOF				

1100
1000
2100
1500



initializing read - 1st record

```

start
  read payRecord
  do while not endOfFile
    if ovtHrs > 0
      regPay = payHr * regHrs
      ovtPay = payHr * ovtHrs * 1.5
      totPay = regPay + ovtPay
    else
      totPay = payHr * regHrs
    end if
    display totPay
    read payRecord
  end do while loop
stop program
    
```

all other records

800
300
1100

1200
900
2100

1050
450
1500

25
+ 40
1000

File Tools View alogicasgnF12 (Protected View) - Word SMART Ink

PROTECTED VIEW Be careful—files from the Internet can contain viruses. Unless you need to edit, it's safer to stay in Protected View. [Enable Editing](#)

```
display ans
end
```

Inventory File where each record is invenRecord:

itemNo	onHand	onOrder	reOrdPt
11111	20	40	50
22222	20	30	50
33333	25	15	50
44444	10	50	75
55555	20	0	40
66666	10	25	25
EOF			

Problem #7: Show the output that would be generated if this pseudocode was executed using the data shown. Note that I want to see the output from each of the records you process.

[On the homework you are processing this file of data.](#)

```
start
  read invenRecord
  do while not endOfFile
    totInven = onHand + onOrder
    if totInven > reOrdPt
      toOrder = 0
    else
      toOrder = (reOrdPt - (onHand + onOrder)) + 100
    end if
    display toOrder
    read invenRecord
  end do while loop
stop program
```

Page 3 of 6 100%

11:42 AM 3/1/2018

Logic Assignment

I want you to play computer. Step through these problems and determine the result.

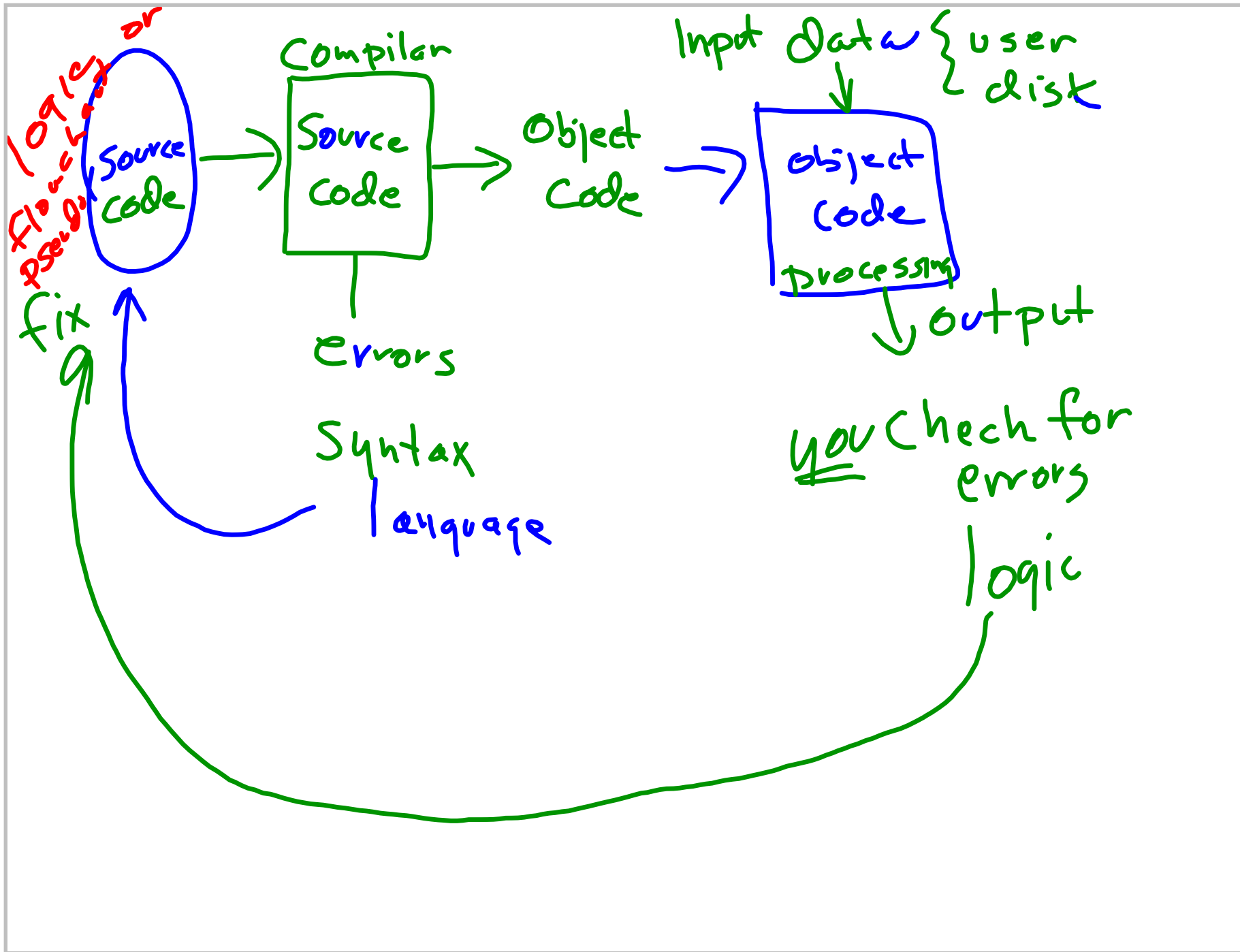
<pre> start var1 = 10 var2 = 20 wksum = 0 rslt = 0 do while var2 < 30 wksum = var1 + var2 if wksum > 30 var1 = var1 - 2 var2 = var2 + 1 else var1 = var1 - 1 var2 = var2 + 3 end if end while loop rslt = var1 + var2 display rslt end </pre>	<p>Problem #1: When the pseudocode displays rslt, what number will rslt be?</p> <ol style="list-style-type: none"> 1. rslt = 28 2. rslt = 29 3. rslt = 30 4. rslt = 31 5. rslt = 32
---	--

<pre> start var1 = 10 var2 = 20 wksum = 0 rslt = 0 do until var2 > 30 wksum = var1 + var2 </pre>	<p>Problem #2: When the pseudocode displays rslt, what number will rslt be?</p> <ol style="list-style-type: none"> 1. rslt = 28 2. rslt = 29 3. rslt = 30
---	--

Source code

Compiler
Interpreter

Object code



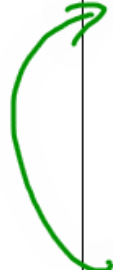
Logic Assignment

I want you to play computer. Step through these problems and determine the result.

```

start
  var1 = 10
  var2 = 20
  wksum = 0
  rslt = 0
  do while var2 < 30
    wksum = var1 + var2
    if wksum > 30
      var1 = var1 - 2
      var2 = var2 + 1
    else
      var1 = var1 - 1
      var2 = var2 + 3
    end if
  end while loop
  rslt = var1 + var2
  display rslt
end

```



Problem #1: When the pseudocode displays rslt, what number will rslt be?

1. rslt = 28
2. rslt = 29
3. rslt = 30
4. rslt = 31
5. rslt = 32

<u>Var1</u>	<u>Var2</u>	<u>Wksum</u>
10	20	30
9	21	32
7	24	31
5	27	30
4	28	32
2	29	31
0	30	30

rslt
0
30

```

start
  var1 = 10
  var2 = 20
  wksum = 0
  rslt = 0
  do until var2 > 30

```

Problem #2: When the pseudocode displays rslt, what number will rslt be?

1. rslt = 28
2. rslt = 29